

Project Title	Funding	Strategic Plan Objective	Institution
Whole-genome sequencing for rare highly penetrant gene variants in schizophrenia	\$1,671,247	Q3.S.C	Duke University
Vulnerability phenotypes and susceptibility to environmental toxicants: From organism to mechanism	\$0	Q3.S.E	University of Rochester
Vitamin D status and autism spectrum disorder: Is there an association?	\$85,961	Q3.S.F	University of California, Davis
Vaccine safety datalink thimerosal and autism study	\$20,857	Q3.S.F	Centers for Disease Control and Prevention (CDC)
Vaccination with regression study	\$16,258	Q3.S.E	Kaiser Permanente Georgia
Unraveling the genetic etiology of autism	\$491,266	Q3.L.B	Vanderbilt University
Understanding glutamate signaling defects in autism spectrum disorders	\$60,000	Q3.L.B	Johns Hopkins University
Uncovering genetic mechanisms of ASD	\$150,000	Q3.L.B	Children's Hospital Boston
Toxicant-induced autism and mitochondrial modulation of nuclear gene expression	\$0	Q3.S.F	Texas A&M University
The transcription factor PLZF: A possible genetic link between immune dysfunction and autism	\$142,113	Q3.Other	Memorial Sloan-Kettering Cancer Center
The role of the Rett gene, chromosome 15Q11-Q13, other genes, and epigenetics	\$18,368	Q3.L.B	Baylor College of Medicine
The role of the neurexin 1 gene in susceptibility to autism	\$0	Q3.L.B	Massachusetts General Hospital/Harvard Medical School
The role of MECP2 in Rett syndrome (supplement)	\$34,417	Q3.Other	University of California, Davis
The role of MECP2 in Rett syndrome	\$308,949	Q3.Other	University of California, Davis
The role of contactin-associated protein-like 2 (CNTNAP2) and other novel genes in autism	\$464,601	Q3.L.B	Johns Hopkins University School of Medicine
The MET signaling system, autism and gastrointestinal dysfunction	\$292,923	Q3.Other	University of Southern California
The impact of autism specific genomic variations on microRNA gene expression profile	\$43,850	Q3.L.B	The Hospital for Sick Children
The CHARGE Study: Childhood Autism Risks from Genetics and the Environment (supplement)	\$1,212,792	Q3.S.F	University of California, Davis
The CHARGE Study: Childhood Autism Risks from Genetics and the Environment (supplement)	\$405,700	Q3.S.F	University of California, Davis
The CHARGE Study: Childhood Autism Risks from Genetics and the Environment	\$1,015,021	Q3.S.C	University of California, Davis
Teratology Society Meeting Support	\$10,000	Q3.Other	Teratology Society
Synaptic processing in the basal ganglia	\$392,444	Q3.Other	University of Washington
Studies of postmortem brain searching for epigenetic defects causing autism	\$400,000	Q3.L.B	Baylor College of Medicine
Studies of central nervous system functional anatomy	\$1,340,580	Q3.Other	National Institutes of Health (NIH)
Structural and functional neural correlates of early postnatal deprivation	\$148,768	Q3.Other	Wayne State University
Social determinants of the autism epidemic	\$805,000	Q3.L.C	Columbia University

Project Title	Funding	Strategic Plan Objective	Institution
Simons Simplex Collection Site	\$445,176	Q3.L.B	University of Washington
Simons Simplex Collection Site	\$112,500	Q3.L.B	Washington University in St. Louis
Simons Simplex Collection Site	\$332,923	Q3.L.B	University of Illinois at Chicago
Simons Simplex Collection Site	\$30,000	Q3.L.B	University of Massachusetts Medical School
Simons Simplex Collection Site	\$487,500	Q3.L.B	Vanderbilt University
Simons Simplex Collection Site	\$550,246	Q3.L.B	Children's Hospital Boston
Simons Simplex Collection Site	\$516,952	Q3.L.B	The Research Institute of the McGill University Health Centre
Simons Simplex Collection Site	\$654,489	Q3.L.B	University of California, Los Angeles
Simons Simplex Collection Site	\$815,728	Q3.L.B	Yale University
Simons Simplex Collection Site	\$437,339	Q3.L.B	Baylor College of Medicine
Simons Simplex Collection Site	\$461,365	Q3.L.B	Emory University
Simons Simplex Collection Site	\$1,300,730	Q3.L.B	University of Michigan
Simons Simplex Collection Site	\$379,000	Q3.L.B	University of Missouri
Simons Simplex Collection Site	\$150,500	Q3.L.B	Columbia University
Rutgers, The State University of New Jersey	\$4,729,271	Q3.L.B	Rutgers, The State University of New Jersey
Role of TSC/mTOR signaling pathway in autism and autism spectrum disorders	\$172,825	Q3.L.B	Massachusetts General Hospital
Role of micro-RNAs in ASD affected circuit formation and function	\$0	Q3.L.B	University of California, San Francisco
RNA expression patterns in autism	\$739,224	Q3.L.B	Children's Hospital Boston
Research Center for the Study of Gene Structure and Function (supplement)	\$299,668	Q3.L.B	Hunter College
Relevance of NPAS1/3 balance to autism and schizophrenia	\$356,840	Q3.L.B	University of Texas Southwestern Medical Center
Recessive genes for autism and mental retardation	\$293,376	Q3.L.B	Beth Israel Deaconess Medical Center
Psychosis and autoimmune diseases in Denmark	\$148,389	Q3.S.E	Johns Hopkins University
Project 3: Neurodevelopmental toxicology of autism	\$136,181	Q3.Other	University of California, Davis
Project 1: Environmental epidemiology of autism	\$213,876	Q3.L.C	University of California, Davis
Prenatal factors and risk of autism in a Finnish national birth cohort	\$840,697	Q3.S.C	New York State Psychiatric Institute
Prenatal exposure to polyfluoroalkyl compounds in the EMA study	\$272,062	Q3.S.F	Kaiser Foundation Research Institute
Potential role of non-coding RNAs in autism	\$59,989	Q3.L.B	Children's Mercy Hospitals And Clinics
Pilot project to assess web-based family recruitment for autism genetics studies	\$500,000	Q3.L.B	University of California, Los Angeles; Washington University in St. Louis; Kennedy Krieger Institute

Project Title	Funding	Strategic Plan Objective	Institution
Pathway-based genetic studies of autism spectrum disorder	\$60,000	Q3.L.B	University of Pennsylvania
Olivocerebellar circuitry in autism	\$756,843	Q3.Other	Boston University Medical Campus
Neurogenic growth factors in autism	\$0	Q3.Other	Yale University
Neurogenetics of candidate systems in autism (supplement)	\$23,730	Q3.L.B	Duke University
Neural and phenotypic correlates of autism risk genes	\$545,057	Q3.S.A	University of California, Los Angeles
Molecular and genetic epidemiology of autism	\$1,211,372	Q3.L.B	University of Miami Miller School of Medicine
Molecular and environmental influences on autism pathophysiology	\$127,500	Q3.S.F	University of California, Los Angeles
Molecular Analysis Core (supplement)	\$17,853	Q3.L.B	Duke University
MeHG stimulates antiapoptotic signaling in stem cells	\$0	Q3.Other	Kennedy Krieger Institute
Maternal supplementation of folic acid and function of autism gene synaptic protein Shank3 in animal model	\$109,450	Q3.L.C	Baylor College of Medicine
Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II	\$0	Q3.L.C	Harvard University
Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II	\$0	Q3.L.C	Massachusetts General Hospital
Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II	\$0	Q3.L.C	Harvard University
Maternal risk factors for autism in the Nurses Health Study II – a pilot study	\$0	Q3.L.D	Harvard School of Public Health
Maternal immune activation, cytokines, and the pathogenesis of autism	\$378,570	Q3.L.C	University of California, Davis
Maternal dietary factors and risk of autism spectrum disorders	\$32,000	Q3.L.D	Harvard Medical School
Linking autism and congenital cerebellar malformations	\$60,000	Q3.Other	University of Chicago
Large-scale discovery of scientific hypotheses; Computation over expert opinions	\$603,044	Q3.Other	University of Chicago
Isolation of autism susceptibility genes	\$593,350	Q3.L.B	deCODE Genetics, Inc.
Investigation of genes involved in synaptic plasticity in Iranian families with ASD	\$0	Q3.L.B	Massachusetts General Hospital
Investigation of DUF1220 domains in human brain function and disease	\$367,008	Q3.Other	University of Colorado Denver
Investigating gene-environment interaction in autism: Air pollution X Genetics	\$297,117	Q3.S.F	University of Southern California
Interactions of environment and molecular pathways on brain overgrowth in autism: Maternal inflammation and the PI3/AKT pathway	\$211,200	Q3.S.E	University of California, Los Angeles

Project Title	Funding	Strategic Plan Objective	Institution
Interaction between MEF2 and MECP2 in the pathogenesis of autism spectrum disorders -2	\$0	Q3.Other	Burnham Institute
Interaction between MEF2 and MECP2 in the pathogenesis of autism spectrum disorders - 1	\$0	Q3.Other	Burnham Institute
Integrative genetic analysis of autistic brains	\$200,000	Q3.L.B	Johns Hopkins University School of Medicine
Influence of the maternal immune response on the development of autism	\$127,499	Q3.S.E	University of Medicine & Dentistry of New Jersey
Influence of maternal cytokines on activation of the innate immune system as a factor in the development of autism	\$0	Q3.S.E	University of Medicine & Dentistry of New Jersey
Influence of maternal cytokines during pregnancy on effector and regulatory T helper cells as etiological factors in autism	\$127,499	Q3.S.E	University of Medicine & Dentistry of New Jersey
Immunopathogenesis in autism: Regulatory T cells and autoimmunity in neurodevelopment	\$106,609	Q3.S.F	East Carolina University
Immunobiology in autism	\$32,000	Q3.S.E	University of California, Davis
Immune biomarkers in serum and newborn dried blood spots	\$125,000	Q3.L.C	Centers for Disease Control and Prevention (CDC)
Illumina, Inc.	\$1,578,591	Q3.L.B	Illumina, Inc.
Identifying autism susceptibility genes by high-throughput chip resequencing	\$447,043	Q3.L.B	Emory University
Identifying and understanding the action of autism susceptibility genes	\$204,810	Q3.L.B	University of Oxford
Identification of aberrantly methylated genes in autism: The role of advanced paternal age	\$499,780	Q3.L.B	Research Foundation for Mental Hygiene, Inc.
Identification and functional characterization of gene variants	\$60,000	Q3.Other	Universita Campus Bio-Medico di Roma
Identification and functional assessment of autism susceptibility genes	\$478,257	Q3.L.B	Rutgers, The State University of New Jersey - New Brunswick
Identification and functional assessment of autism susceptibility genes	\$262,704	Q3.L.B	The Research Institute at Nationwide Children's Hospital
Identification and functional assessment of autism susceptibility genes	\$486,498	Q3.L.B	University of Medicine & Dentistry of New Jersey - Robert Wood Johnson Medical School
Identical twins discordant for autism: Epigenetic (DNA methylation) biomarkers of non-shared environmental influences	\$108,503	Q3.Other	King's College London
Human autism genetics and activity-dependent gene activation	\$2,474,114	Q3.S.A	Children's Hospital Boston
Genotype-phenotype relationships in fragile X families	\$541,900	Q3.Other	University of California, Davis
Genomic profiling and functional mutation analysis in autism spectrum disorders	\$1,183,908	Q3.S.A	Yale University
Genomic imbalances in autism	\$0	Q3.L.B	University of Chicago

Project Title	Funding	Strategic Plan Objective	Institution
Genomic hotspots of autism	\$232,692	Q3.L.B	University of Washington
Genome-wide environment interaction study for autism: The SEED study	\$723,953	Q3.S.C	Johns Hopkins University
Genome-wide association study of autism characterized by developmental regression	\$127,458	Q3.S.E	Cincinnati Children's Hospital Medical Center
Genome-wide analyses of DNA methylation in autism	\$400,000	Q3.L.B	Massachusetts General Hospital
Genetic study of restricted repetitive behavior in autism spectrum disorders	\$72,856	Q3.S.A	University of Florida
Genetic studies in autism on chromosome 7 (supplement)	\$17,887	Q3.L.B	Duke University
Genetics of autism intermediate phenotypes	\$448,943	Q3.L.B	University of Utah
Genetics and gene-environment interactions in a Korean epidemiological sample of autism	\$74,692	Q3.S.C	Yale University
Genetic investigation of cognitive development in autistic spectrum disorders	\$184,248	Q3.L.B	Brown University
Genetic epidemiology of autism spectrum disorders	\$178,175	Q3.Other	Yale University
Genetic dissection of restricted repetitive behavior (RRB)	\$8,291	Q3.L.B	University of Florida
Genetic dissection of restricted repetitive behavior (RRB)	\$180,254	Q3.Other	University of Florida
Genetic basis of autism	\$6,380,872	Q3.L.B	Cold Spring Harbor Laboratory
Genetic and epigenetic interactions in a mouse model for autism	\$60,000	Q3.S.F	David Geffen School of Medicine at University of California, Los Angeles
Genes disrupted by balanced genomic rearrangements in autism spectrum disorders	\$309,604	Q3.L.B	Massachusetts General Hospital
Gene expression profiling of autism spectrum disorders	\$52,000	Q3.L.B	Children's Hospital Boston
Gene expression and immune cell function in mothers of children with autism	\$267,750	Q3.L.C	University of California, Davis
Fraternal birth order effects on behavior	\$171,000	Q3.Other	Michigan State University
Finding autism genes by genomic copy number analysis	\$574,507	Q3.L.B	Children's Hospital Boston
Evaluation of the immune and physiologic response in children with autism following immune challenge	\$327,972	Q3.S.E	University of California, Davis
Etiology of autism risk involving MET gene and the environment	\$219,700	Q3.S.E	University of California, Davis
Epigenetics, hormones and sex differences in autism incidence	\$0	Q3.S.F	University of Virginia
Epigenetic regulation of the autism susceptibility gene, ENGRAILED 2 (EN2)	\$0	Q3.Other	University of Medicine & Dentistry of New Jersey - Robert Wood Johnson Medical School
Epigenetic marks as peripheral biomarkers of autism	\$2,198,844	Q3.S.C	Emory University
Epigenetic interaction of MECP2 and organic pollutants in neurodevelopment (supplement)	\$67,208	Q3.Other	University of California, Davis

Project Title	Funding	Strategic Plan Objective	Institution
Epigenetic interaction of MECP2 and organic pollutants in neurodevelopment	\$432,523	Q3.Other	University of California, Davis
Epigenetic etiologies of autism spectrum disorders	\$344,947	Q3.L.B	University of California, Davis
Epidemiologic studies of reproductive and developmental outcomes & Denmark	\$400,000	Q3.S.E	Aarhus University
Epidemiological research on autism in Jamaica	\$146,500	Q3.L.D	University of Texas Health Science Center at Houston
Environment, the perinatal epigenome, and risk for autism and related disorders	\$1,509,000	Q3.S.C	Johns Hopkins University
Effect of oxytocin receptor inhibitor (atosiban) during the perinatal period and prevalence of autism spectrum disorders	\$131,871	Q3.S.F	Hebrew University
Early developmental risk factors for autism in a national birth cohort	\$59,457	Q3.L.D	Turku University
DNA methylation and other epigenetic studies of autism brain	\$0	Q3.Other	Baylor College of Medicine
Discordant monozygotic twins as a model for genetic-environmental interaction in autism	\$0	Q3.S.C	Kennedy Krieger Institute
Discordant monozygotic twins as a model for genetic-environmental interaction in autism	\$0	Q3.S.C	Johns Hopkins University
Determining the genetic basis of autism by high-resolution analysis of copy number	\$351,639	Q3.L.B	Cold Spring Harbor Laboratory
Dense mapping of candidate regions linked to autistic disorder	\$5,028	Q3.L.B	Feinstein Institute for Medical Research
Deep sequencing of autism candidate genes in 2000 families from the Simons Simplex Collection	\$1,384,503	Q3.L.B	Cold Spring Harbor Laboratory
Core--Genomics/Bioinformatics--Alzheimer's disease and autism	\$136,335	Q3.L.B	Columbia University
Core E: Statistical Analysis Core	\$15,567	Q3.Other	University of California, Davis
Core D: Molecular Genomics Core	\$57,649	Q3.Other	University of California, Davis
Core C: Analytical Core	\$97,270	Q3.Other	University of California, Davis
Core B: Outreach and Translation	\$84,728	Q3.Other	University of California, Davis
Computational tools to analyze SNP data from patients with mental illness	\$243,011	Q3.L.B	Partek, Inc.
Comprehensive genetic variation detection to assess the role of the X chromosome in autism	\$1,019,797	Q3.L.B	Emory University
Comprehensive follow-up of novel autism genetic discoveries	\$289,026	Q3.L.B	Massachusetts General Hospital
Clinical and Bioinformatics Core (supplement)	\$39,796	Q3.L.B	Duke University
Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - Pennsylvania	\$1,565,617	Q3.L.D	University of Pennsylvania/Children's Hospital of Philadelphia

Project Title	Funding	Strategic Plan Objective	Institution
Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - North Carolina	\$1,209,900	Q3.L.D	University of North Carolina at Chapel Hill
Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - Maryland	\$1,937,600	Q3.L.D	Johns Hopkins University
Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - Georgia	\$868,924	Q3.L.D	Centers for Disease Control and Prevention (CDC)
Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - Data Coordinating Center	\$700,000	Q3.L.D	Michigan State University
Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - Data Coordinating Center	\$36,170	Q3.L.D	Michigan State University
Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - Colorado	\$1,192,664	Q3.L.D	Colorado Department of Health and Environment
Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - California	\$1,386,673	Q3.L.D	Kaiser Foundation Research Institute
Center for Genomic and Phenomic Studies in Autism	\$1,482,665	Q3.L.B	University of Southern California
Brain glutamate concentrations in autistic adolescents by MRS	\$1,224	Q3.S.E	Mount Sinai School of Medicine
Biological correlates of altered brain growth in autism	\$1,011,793	Q3.S.A	Yale University
Bioinformatics support for AGRE	\$225,936	Q3.Other	Autism Speaks (AS)
Behavioral and genetic biomarker development for autism and related disorders	\$499,543	Q3.L.B	Rutgers, The State University of New Jersey - New Brunswick
Basal ganglia circuitry and molecules in pathogenesis of motor stereotypy	\$419,799	Q3.L.B	University of California, Los Angeles
Autism in a fish eating population	\$172,491	Q3.S.F	University of Rochester
Autism Genome Project (AGP)	\$2,044,857	Q3.L.B	Autism Speaks (AS)
Autism Genome Project	\$4,894	Q3.L.B	Mount Sinai School of Medicine
Autism Genetic Resource Exchange (AGRE)	\$1,826,554	Q3.L.B	Autism Speaks (AS)
Autism and the insula: Genomic and neural circuits	\$368,570	Q3.L.B	California Institute of Technology
Autism and SNPs in the IGF pathway	\$112,500	Q3.L.B	Princeton University
A systems biology approach to unravel the underlying functional modules of ASD	\$663,063	Q3.S.A	University of California, San Diego
Assisted reproductive treatments and risk of autism	\$60,000	Q3.S.F	Institute of Psychiatry, King's College London
A recurrent genetic cause of autism	\$400,000	Q3.L.B	Massachusetts General Hospital
Analysis of developmental interactions between reelin haploinsufficiency, male sex, and mercury exposure	\$92,582	Q3.L.C	Universita Campus Bio-Medico di Roma
Analysis of candidate genes derived from a protein interaction network in SSC samples	\$987,318	Q3.L.B	Baylor College of Medicine

Project Title	Funding	Strategic Plan Objective	Institution
A molecular genetic study of autism and related phenotypes in extended pedigrees	\$483,824	Q3.L.B	University of North Carolina at Chapel Hill
A model for inclusion of minorities in genetic research (supplement)	\$32,846	Q3.S.D	University of Southern California
A model for inclusion of minorities in genetic research	\$40,981	Q3.S.D	University of Southern California
A model for inclusion of minorities in genetic research	\$30,000	Q3.S.D	Fiesta Educativa, Inc.
Allosteric potentiators of the oxytocin system for the control of social motivation	\$25,000	Q3.Other	University of North Carolina at Chapel Hill
A genome-wide search for autism genes in the Simons Simplex Collection	\$3,862,333	Q3.L.B	Yale University
ACE Network: Early Autism Risk Longitudinal Investigation (EARLI) network (supplement)	\$1,111,301	Q3.L.A	Drexel University
ACE Network: Early Autism Risk Longitudinal Investigation (EARLI) network	\$2,629,511	Q3.L.A	Drexel University
ACE Network: A comprehensive approach to identification of autism susceptibility genes	\$2,895,517	Q3.L.B	University of California, Los Angeles
ACE Center: Targeting genetic pathways for brain overgrowth in autism spectrum disorders	\$371,478	Q3.Other	University of California, San Diego
ACE Center: Rare variant genetics, contactin-related proteins and autism	\$334,236	Q3.Other	Yale University
ACE Center: Imaging autism biomarkers + risk genes	\$201,934	Q3.Other	University of California, San Diego
ACE Center: Genetics of serotonin in autism: Neurochemical and clinical	\$377,577	Q3.Other	University of Illinois at Chicago
ACE Center: Genetics of language & social communication: Connecting genes to brain & cognition (supplement)	\$55,592	Q3.Other	University of California, Los Angeles
ACE Center: Genetics of language & social communication: Connecting genes to brain & cognition	\$333,180	Q3.Other	University of California, Los Angeles
ACE Center: Genetic contributions to endophenotypes of autism	\$576,375	Q3.L.B	University of Washington
5/5-Elucidating the genetic architecture of autism by deep genomic sequencing	\$2,478,799	Q3.S.A	Vanderbilt University
4/5-Elucidating the genetic architecture of autism by deep genomic sequencing	\$482,846	Q3.S.A	University of Pennsylvania
3/5-Elucidating the genetic architecture of autism by deep genomic sequencing	\$571,568	Q3.S.A	Mount Sinai School of Medicine
2/5-Elucidating the genetic architecture of autism by deep genomic sequencing	\$2,442,659	Q3.S.A	Broad Institute, Inc.
1/5-Elucidating the genetic architecture of autism by deep genomic sequencing	\$2,000,000	Q3.S.A	Baylor College of Medicine

